

WHAT IS CLAIMED IS:

1. A line drawing image generating device for  
generating line drawing data based on original image data,  
5 comprising:

ink line area detecting means for detecting an area whose  
brightness is smaller than a predetermined value in an original  
image, as an ink line area;

neighboring area detecting means for detecting a  
10 neighboring area of the ink line area, which surrounds the ink  
line area;

outline area detecting means for detecting an outline  
portion of an image as an outline area, with respect to an area  
other than the ink line area and the neighboring area in the original  
15 image;

line drawing data storing means for storing the line  
drawing data; and

color data writing means for writing color data to a  
storage area of the line drawing data storing means, which  
20 corresponds to the ink line area and the outline area, and writing  
different color data to a storage area of the line drawing data  
storing means, which corresponds to an area other than the ink  
line area and the outline area.

25 2. The line drawing image generating device according

to claim 1, wherein

the original image contains a plurality of pixels, and  
when the ink line area is included in a predetermined  
area surrounding a pixel to be processed in the original image,  
5 and the pixel to be processed is not included in the ink line area,  
the neighboring area detecting means detects the pixel to be  
processed as the neighboring area.

3. The line drawing image generating device according  
10 to claim 1, wherein the ink line area detecting means detects,  
as the ink line area, a portion of an area where brightness is  
smaller than a predetermined value, such that the portion lies  
near the outline of the area.

15 4. The line drawing image generating device according  
to claim 3, wherein  
the original image contains a plurality of pixels, and  
when an area other than the ink line area is included  
in a predetermined area surrounding a pixel to be processed included  
20 in an area whose brightness is smaller than a predetermined value,  
the ink line area detecting means detects the pixel to be processed  
as the ink line area.

5. The line drawing image generating device according  
25 to claim 1, further comprising still image data extracting means

for extracting arbitrary still image data from moving image data,  
wherein

the line drawing data is generated using the still image  
data, which is extracted by the still image data extracting means,  
5 as the original image data.

6. A computer readable storage medium storing a line  
drawing image generating program for generating line drawing data  
based on original image data, wherein the line drawing image  
10 generating program causes a computer to execute:

an ink line area detecting step of detecting an area  
whose brightness is smaller than a predetermined value in an  
original image as an ink line area;

a neighboring area detecting step of detecting a  
15 neighboring area of the ink line area, which surrounds the ink  
line area;

an outline area detecting step of detecting an outline  
portion of an image as an outline area with respect to an area  
other than the ink line area and the neighboring area in the original  
20 image; and

a color data writing step of writing color data to a  
storage area of line drawing data storing means for storing the  
line drawing data, which corresponds to the ink line area and the  
outline area, and writing different color data to a storage area  
25 of the line drawing data storing means, which corresponds to an

area other than the ink line area and the outline area.

7. The storage medium according to claim 6, wherein  
the original image contains a plurality of pixels, and  
5 when the ink line area is included in a predetermined  
area surrounding a pixel to be processed in the original image  
and the pixel to be processed is not included in the ink line area,  
the line drawing image generating program causes the computer to  
detect the pixel to be processed as the neighboring area at the  
10 neighboring area detecting step.

8. The storage medium according to claim 6, wherein  
the ink line area detecting step detects, as the ink line area,  
a portion of an area where brightness is smaller than a predetermined  
15 value, such that the portion lies near the outline of the area.

9. The storage medium according to claim 8, wherein  
the original image contains a plurality of pixels, and  
when an area other than the ink line area is included  
20 in a predetermined area surrounding a pixel to be processed included  
in an area whose brightness is smaller than a predetermined value,  
the line drawing image generating program causes the computer to  
detect the pixel to be processed as the ink line area at the ink  
line area detecting step.

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10. The line drawing image generating program according to claim 6 further causing the computer to execute a still image data extracting step of extracting arbitrary still image data from moving image data, wherein

5           the line drawing image generating program causes the computer to generate the line drawing data using the still image data, which is extracted by the still image data extracting step, as the original image data.

10           11. A line drawing image generating method for generating line drawing data based on original image data, comprising:

          an ink line area detecting step of detecting an area whose brightness is smaller than a predetermined value in an  
15 original image, as an ink line area;

          a neighboring area detecting step of detecting a neighboring area of the ink line area, which surrounds the ink line area;

          an outline area detecting step of detecting an outline  
20 portion of an image as an outline area with respect to an area other than the ink line area and the neighboring area in the original image; and

          a color data writing step of writing color data to a storage area of line drawing data storing means for storing the  
25 line drawing data, which corresponds to the ink line area and the

outline area, and writing different color data to a storage area of the line drawing data storing means, which corresponds to an area other than the ink line area and the outline area.